Contents of Volume 150

Research Articles

J.B. Geller (USA)
Gastropod grazers and algal colonization on a rocky shore in northern California: the importance of the body size of grazers 1

I. Sunila (USA)
Respiration of sarcoma cells from the soft-shell clam *Mya arenaria* L. under various conditions 19

A.D. Hill, A.C. Taylor and R.H.C. Strang (UK)
Physiological and metabolic responses of the shore crab *Carcinus maenas* (L.) during environmental anoxia and subsequent recovery 31

A.D. Hill, R.H.C. Strang and A.C. Taylor (UK)
Radioisotope studies of the energy metabolism of the shore crab *Carcinus maenas* (L.) during environmental anoxia and recovery 51

J.E. Dugan, A.M. Wenner and D.M. Hubbard (USA)
Geographic variation in the reproductive biology of the sand crab *Emerita analoga* (Stimpson) on the California coast 63

D. Schlichter and G. Liebezeit (FRG)
The natural release of amino acids from the symbiotic coral *Heteroxenia fuscescens* (Ehrb.) as a function of photosynthesis 83

A.E. Kideys and R.G. Hartnoll (UK)
Energetics of mucus production in the common whelk *Buccinum undatum* L. 91

A. de Oliveira Ribeiro Junqueira, E. Pessoa Omena and S.H. Gonsalves da Silva (Brasil)
A comparative study of the methods used to evaluate the activity of Teredinidae molluscs 107

J.M. Lane (USA)
The effect of variation in quality and quantity of periphyton on feeding rate and absorption efficiencies of the snail *Neritina reclivata* (Say) 117

A. Martel and F.-S. Chia (Canada)
Drifting and dispersal of small bivalves and gastropods with direct development 131

M. Lindström (Finland)
Factors affecting the horizontal migration of the amphipod *Pontoporeia affinis* Lindström. I. Recording method and response to water currents 149

M.M. Littler, D.S. Littler and M.D. Hanisak (USA)
Deep-water rhodolith distribution, productivity, and growth history at sites of formation and subsequent degradation 163

C.J. Hurlbut (USA)
The effects of larval abundance, settlement and juvenile mortality on the depth distribution of a colonial ascidian 183

D. Roberts, D. Rittschof, E. Holm and A.R. Schmidt (Canada, USA)
Factors influencing initial larval settlement: temporal, spatial and surface molecular components 203

R.A. Everett (USA)
Intertidal distribution of infauna in a central California lagoon: the role of seasonal blooms of macroalgae 223

J.S.H. Pullen and P.S. Rainbow (UK)
The composition of pyrophosphate heavy metal detoxification granules in barnacles 249

J. Berman and J.T. Carlton (USA)
Marine invasion processes: interactions between native and introduced marsh snails 267

I. Llobet, R. Coma, M. Zabala, J.-M. Gili and R.G. Hughes (Spain, UK)
The population dynamics of *Orthopyxis crenata* (Hartlaub, 1901) (Hydrozoa, Cnidaria), an epiphyte of *Halimeda tuna* in the northwestern Mediterranean 283

Author Index of Volume 150 293

Contents of Volume 150 295